Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-04/610j/Cube/2018-19 25.05.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	:	Improvements to RCC drains and CC roads at adjacent cross roads in Anjaneya temple road and other roads in Mallasandra in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/290/2017-18 Dated: 17.03.2018
* Sample ID	:	Road Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{30}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	25.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.04.2018	25.05.2018	8.185	715.8	31.81
2	27.04.2018	25.05.2018	8.216	724.5	32.20
3	27.04.2018	25.05.2018	8.352	733.2	32.59

*Information is furnished by the Customer/Representative.

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Note:

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VIDYARANI P.K.
Technical Manager

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಕಛೇರಿ ಉಪವಿಭಾಗ, ಬಾಪೂಜಿ ಪಾಲಿಕೆ
ಉತ್ತರ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಮಲ್ಲೇಶ್ವರಂ, ಬಸವೇಶ್ವರನಗರ, ಬೆಂಗಳೂರು

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Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-04/610j/Cube/2018-19 25.05.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

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* Reference	:	BBMP/EE/DD/WO/290/2017-18 Dated: 17.03.2018
* Sample ID	:	Road Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{30}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	25.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.04.2018	25.05.2018	8.097	715.3	31.79
2	27.04.2018	25.05.2018	8.190	719.6	31.98
3	27.04.2018	25.05.2018	8.290	725.4	32.24

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Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{30}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	25.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.04.2018	25.05.2018	8.117	718.6	31.94
2	27.04.2018	25.05.2018	8.209	719.3	31.97
3	27.04.2018	25.05.2018	8.325	722.8	32.12

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T-2377

Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-04/610j/Cube/2018-19

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	: **Technical Manager (West),** KRIDL, Bangalore.
* Name of the work	: Improvements to RCC drains and CC roads at adjacent cross roads to Anjaneya temple road and other roads in Mallasandra in Ward No 13, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	: BBMP/EE/DD/WO/290/2017-18 Dated: 17.03.2018
* Sample ID	: Road Concrete
Technical Reference	: IS: 516-1959 (RA-2013)
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
* Grade of Concrete	: M_{30}
Compressive Strength as on	: 28^{th} day
Sample Received on	: 25.05.2018

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.04.2018	25.05.2018	8.134	705.6	31.36
2	27.04.2018	25.05.2018	8.225	715.4	31.80
3	27.04.2018	25.05.2018	8.350	723.6	32.16

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T-2377

Job No: CTCE/BBMP/KRIDL/W.No.13/CSR-04/610j/Precast slab/2018-19

23.04.2018

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
* Name of work	:	Improvements to RCC drains and CC roads at adjacent cross roads in Anjaneya temple road and other roads in Mallasandra in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/EE/DD/WO/290/2017-18 Dated: 17.03.2018
* Sample ID	:	Precast slab
* Grade of Concrete	:	M_{20}
Techinical Reference	:	IS:516-1959 (RA- 2013), SP-24:1983.
Sample Received on	:	18.04.2018
Date of Testing	:	23.04.2018

Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	79.00	0.401	2585.16	1.58	0.955	30.50	15.53	16.78	17.57	21.97
2	50.00	83.00	0.408	2503.53	1.66	0.963	32.60	16.60	17.93	17.27	21.59
3	50.00	80.00	0.402	2559.21	1.60	0.957	33.95	17.29	18.67	17.87	22.33

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